

FIG. 1

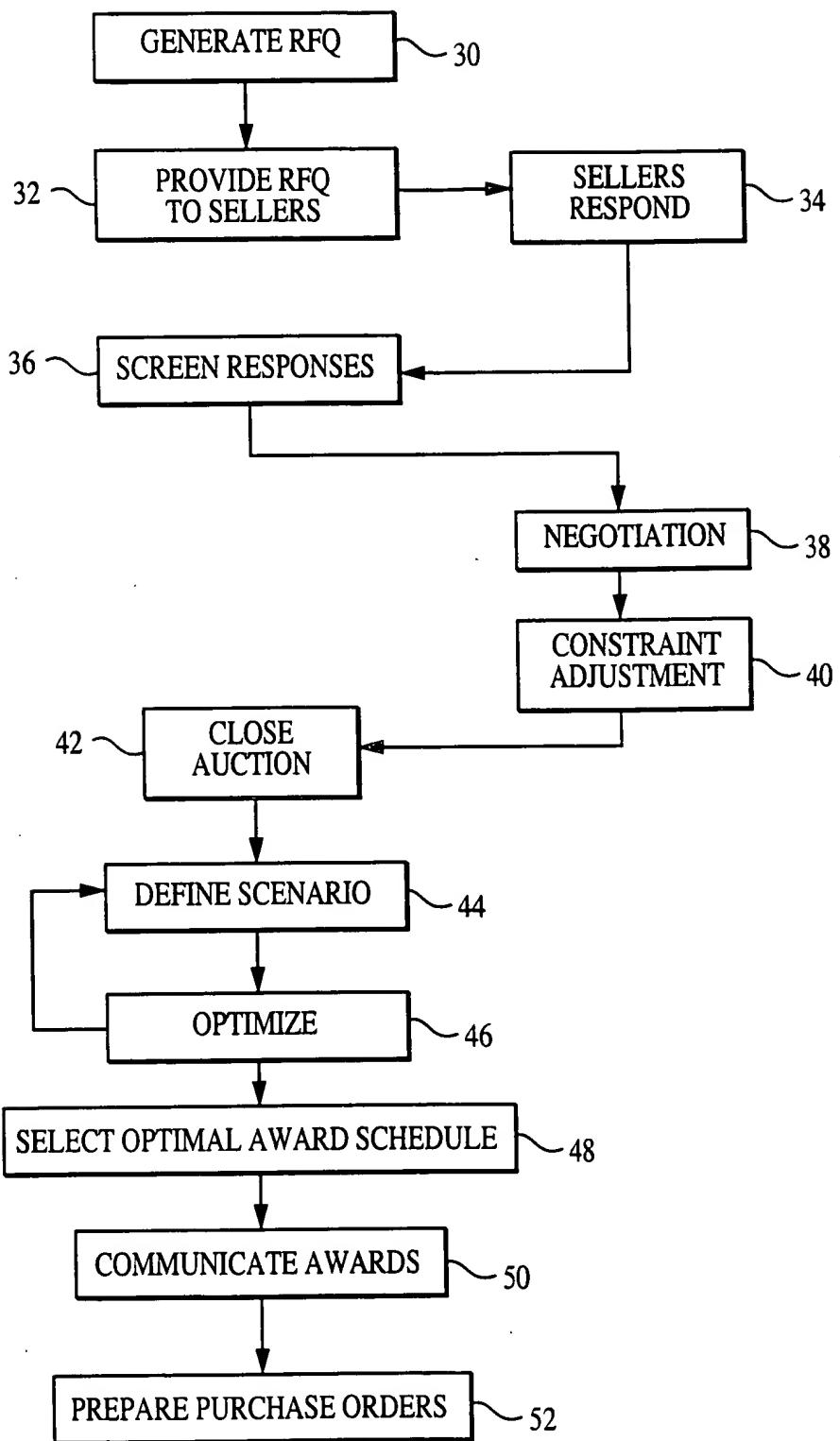


FIG. 2

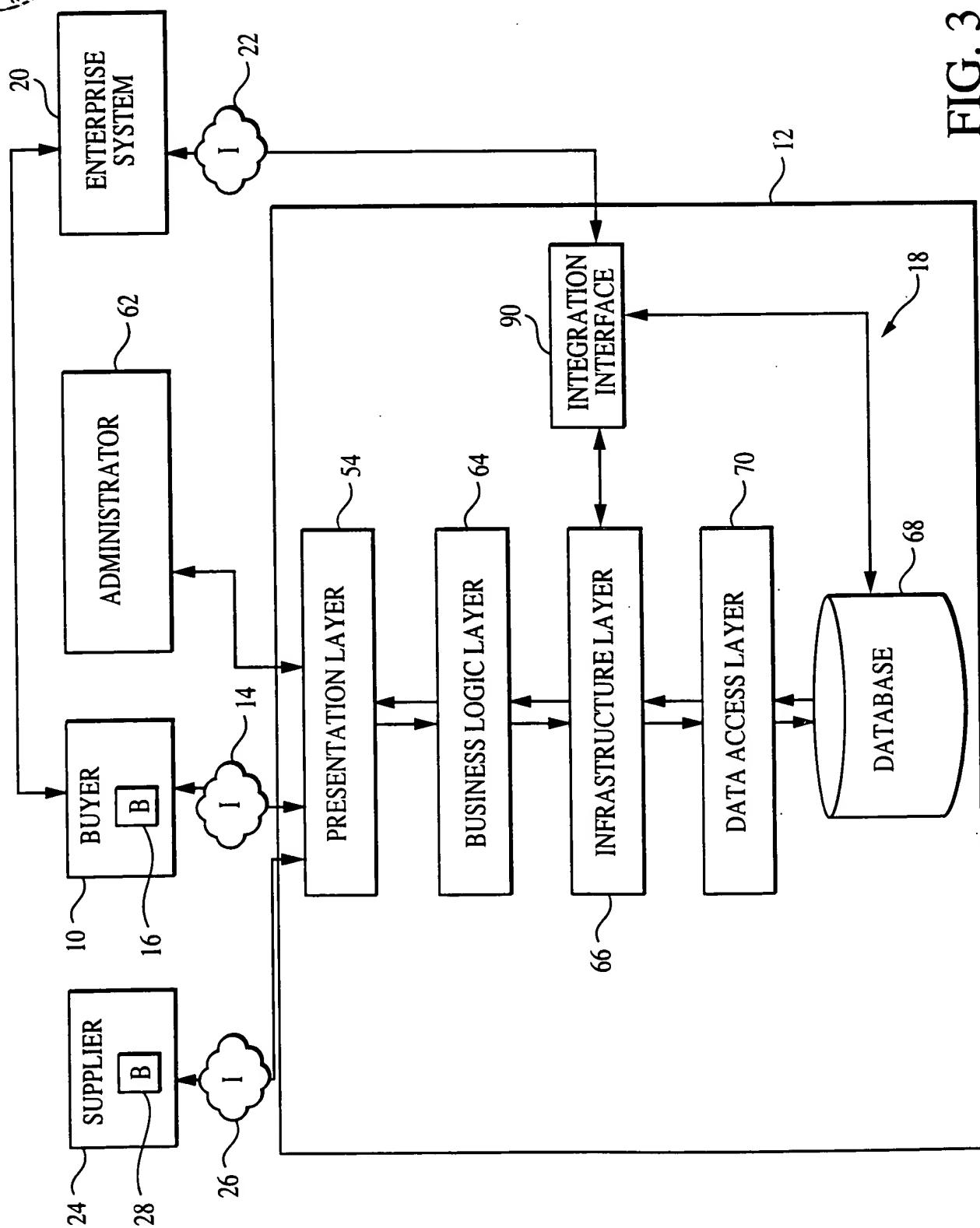


FIG. 3

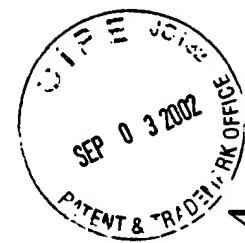
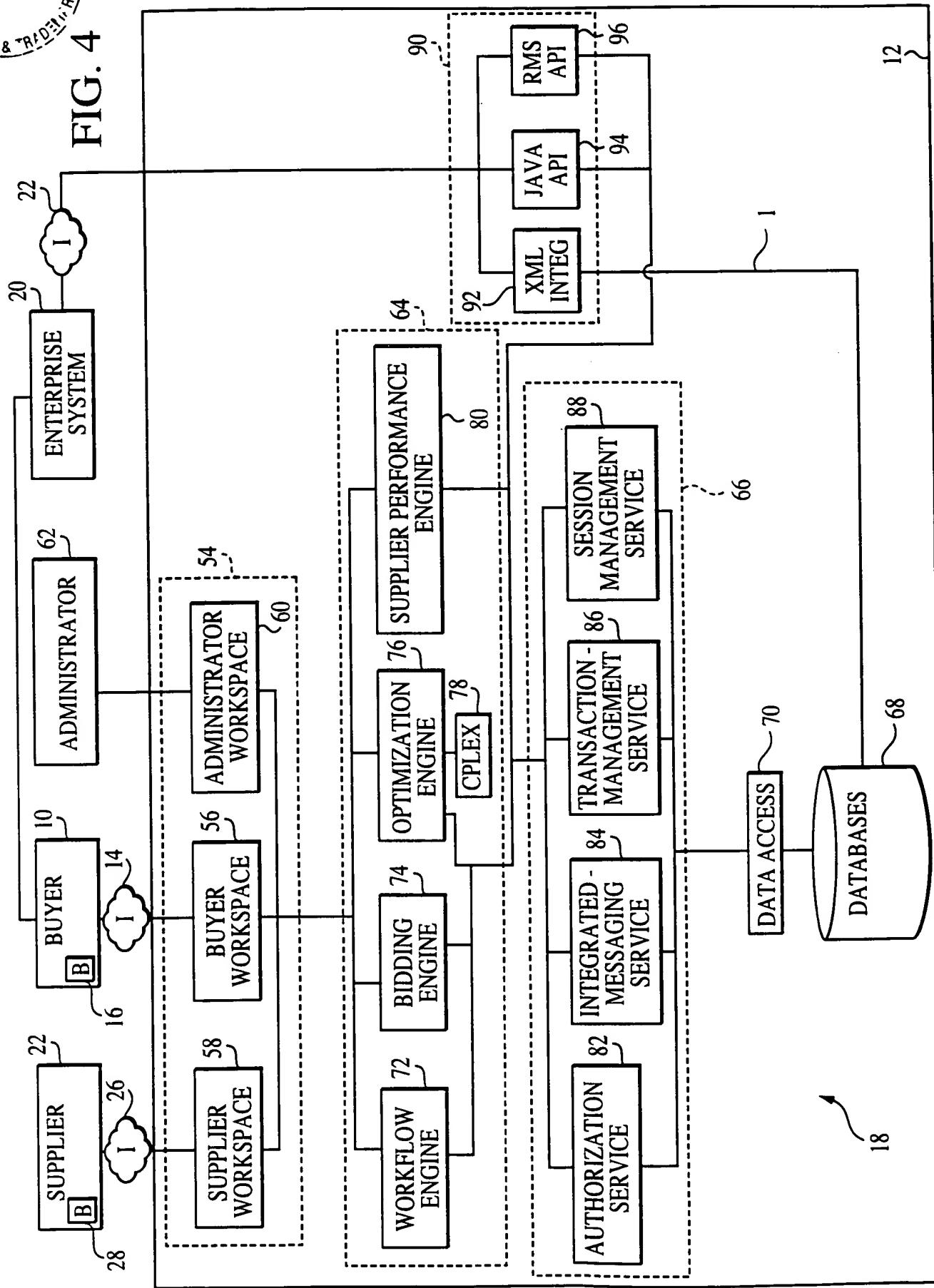


FIG. 4



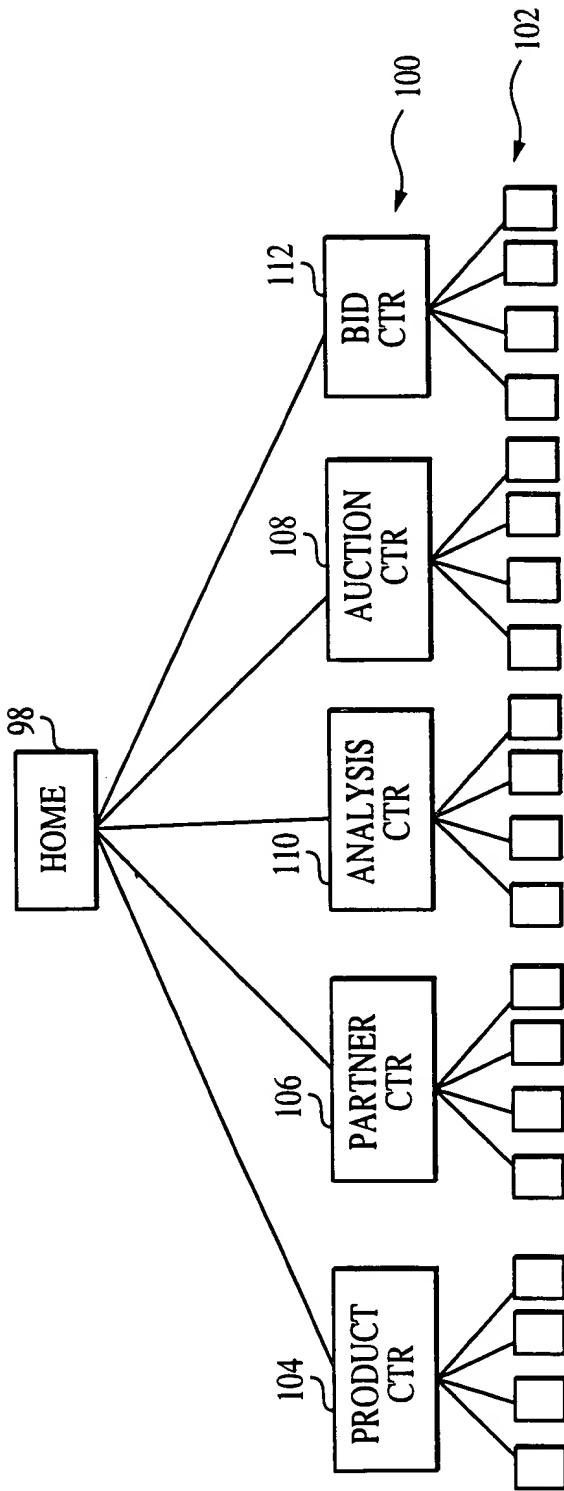
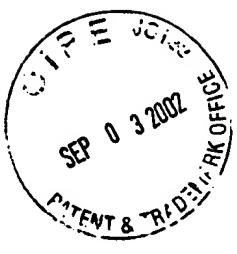


FIG. 5



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Address: http://qa03/enfindex.htm

Registration Form

Please fill in the following for (*) indicating required fields:

electronic procurement application for strategic sourcing

Organization Information:

Organization Type (*)	Seller ▾
Organization Name (*):	ABC Co.
Code (*):	ABCCO
Description (*):	ABC Electronics
URL (*):	http://www.dell.com

Default Organization User:

Login Name (*):	ABCSeller
Name (*):	AI Tradings
Email Address (*):	ai@bigbuy.com
Fax Number	
Phone Number (*):	123-123-1234
Select Password (*):	****
Re-enter password (*):	****

Proceed Reset

Local intranet

Done

FIG. 6

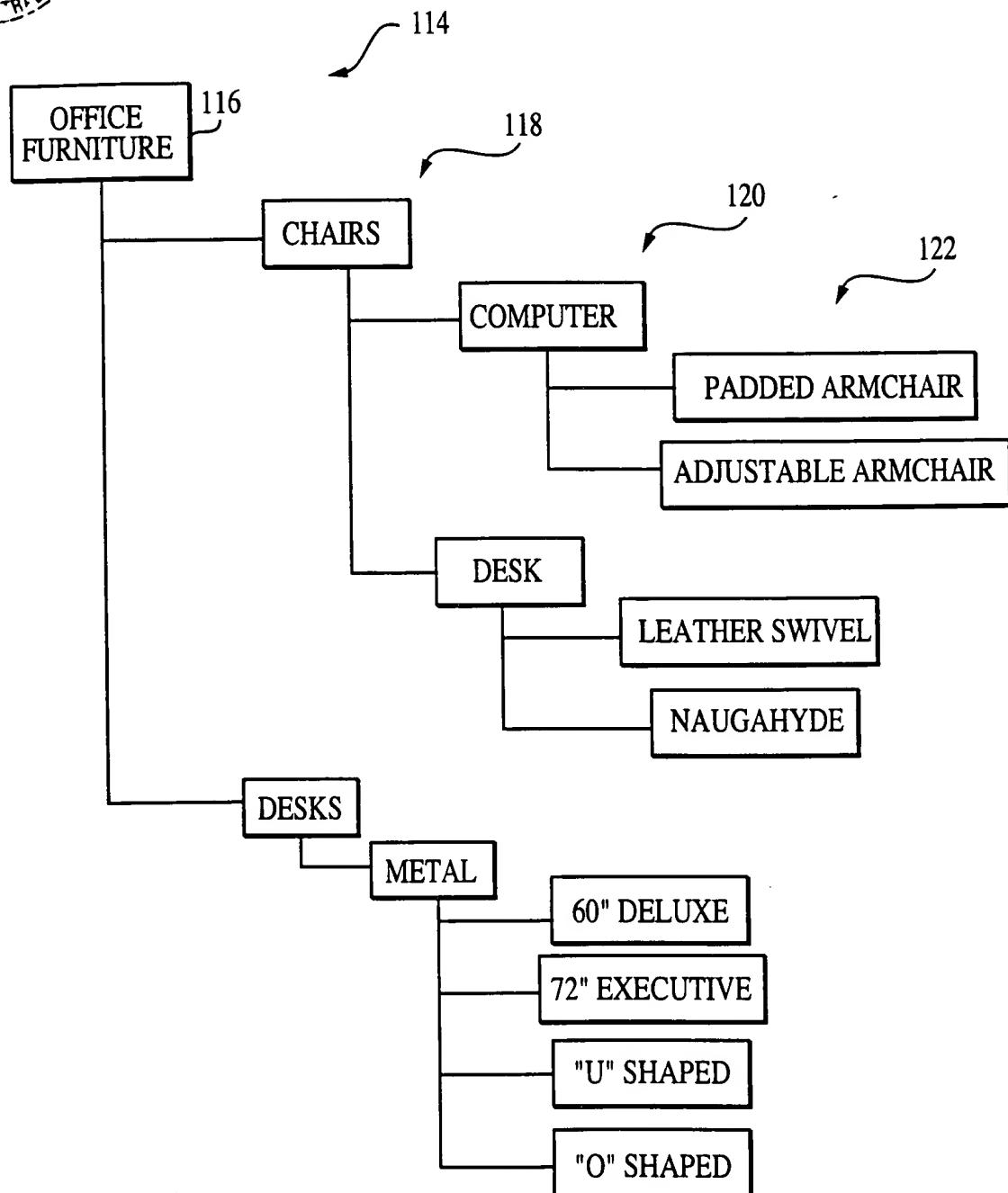


FIG. 7



FIG. 8

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Back Forward Stop Refresh Home Search Favorites History Mail Print W Edit Discuss

Address http://qa03/en/index.html

Configuration: Step 4:
Bid Attributes

Step 1: Step 2: Step 3: Step 4: Step 5: Step 6: Auction Summary

Auction: Electrical

Please configure the information fields you would like Partners to provide as part of their bids. To add a new attribute, define the name in the text box and click **Add Attribute**. To delete an attribute from the list, check-select the item and click **Delete Attribute**.

Bid Parameters

Buyer Home Warranty Days

ePass

Buyer Home Message Center Manage Products Configure Partners Manage Auctions View Bids Analyze Bids Logout Help Done Local Intranet



FIG. 9

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Back Forward Stop Refresh Home Search Favorites History Mail Print W Edit Discuss

Address http://qa03/jens/index.html

Home > Partner Center > Category Rating > Category Rating Edit

Partner: ABC Traders
Category: Electronics

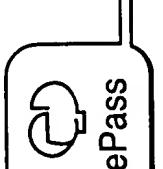
Edit Partner Category Rating

The following are the Participant performance factor ratings for category Electronics
To modify, make changes in the form and click **Save**.
Valid values are from 1 to 100 (Worst to Best).

Name	Code	Description	Default Value	Partner Rating
Quality	Q1	Quality Rating	50	96

Save Cancel

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Buyer Home Message Center Manage Products Configure Partners Manage Auctions View Bids Analyze Bids Logout

Help Local Intranet Done



ePass - Microsoft Internet Explorer

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Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Dell Home

Address http://qa03/enf/index.html

View Created Auctions

Home > Auction Center

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ePass

The following is the list of Created Auctions you have offered or currently offering. Click on the Auction id or description to bring up the Auction status report. Click on the action links for other Auction features.

1-4 of 4

	Name	Type	Open	Close	Actions
<input type="checkbox"/>	Supplies	Dutch	<input type="button" value="Open"/>	<input type="button" value="Close"/>	<input type="button" value="Actions"/>
<input type="checkbox"/>	Electrical	Sealed	<input type="button" value="Open"/>	<input type="button" value="Close"/>	<input type="button" value="Actions"/>
<input type="checkbox"/>	test1	Sealed	<input type="button" value="Open"/>	<input type="button" value="Close"/>	<input type="button" value="Actions"/>
<input type="checkbox"/>	AXSAuction1	Dutch	<input type="button" value="Open"/>	<input type="button" value="Close"/>	<input type="button" value="Actions"/>

Buyer Home http://qa03/enf/auction_start.jsp?forward=enf/auction_man.jsp?action=list&cur_id=1007&epass_session=abuyer_95 Local Intranet

Message Center http://qa03/enf/auction_start.jsp?forward=enf/auction_man.jsp?action=list&cur_id=1007&epass_session=abuyer_95 Local Intranet

Manage Products http://qa03/enf/auction_start.jsp?forward=enf/auction_man.jsp?action=list&cur_id=1007&epass_session=abuyer_95 Local Intranet

Configure Partners http://qa03/enf/auction_start.jsp?forward=enf/auction_man.jsp?action=list&cur_id=1007&epass_session=abuyer_95 Local Intranet

Manage Auctions http://qa03/enf/auction_start.jsp?forward=enf/auction_man.jsp?action=list&cur_id=1007&epass_session=abuyer_95 Local Intranet

View Bids http://qa03/enf/auction_start.jsp?forward=enf/auction_man.jsp?action=list&cur_id=1007&epass_session=abuyer_95 Local Intranet

Analyze Bids http://qa03/enf/auction_start.jsp?forward=enf/auction_man.jsp?action=list&cur_id=1007&epass_session=abuyer_95 Local Intranet

FIG. 10



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Back Forward Stop Refresh

Address http://qat03/enf/index.htm

Open Auction for bidding

Auction Dates

Populate the dates below to specify the opening and closing time of the auction. When done, click Open Later to update the database. Click Now to cancel any changes. The Now buttons will put today's date into the corresponding date selection lists. Click Open Right Now to open the auction immediately.

The following rules apply:

1. An auction can NOT be started if:
 - a. You do not have management privileges.
 - b. There are no requisitions or items defined for the auction.
 - c. If the auction is a sealed type and there are no Participants approved for the auction.
2. Opening date can not be modified if the auction has already started.
3. Closing date does not have to be specified.
4. The closing date cannot be before the opening date.

Buyer Home

Message Center

Manage Products

Configure Partners

Manage Auctions

View Bids

Analyze Bids

Logout

Open Date

Close Date

Help

Done

Local Intranet

Home > Auction Center > Supplies

FIG. 11



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Back Forward Stop Refresh

Address

View Open Auctions View Closed Auctions View Awarded Auctions View All Auctions

The following Auctions are available. Click on a Auctions name to view the associated requisitions. [View All Auctions](#)

1-7 of 7

Name	Status	Type	Open	Close
rfosshx1	Open	Dutch	05/09/2000 10:29	06/09/2000 10:30
Supplies	Closed	Dutch	05/11/2000 12:01	05/11/2000 15:41
Electrical	Open	Sealed	05/11/2000 14:25	07/11/2000 14:30
RFosshx	Open	Sealed	05/10/2000 16:18	06/10/2000 16:30
Construction	Open	Sealed	05/11/2000 14:31	07/11/2000 14:30
Supplies2	Open	Dutch	05/11/2000 15:48	07/11/2000 16:00
Supplies3	Open	Dutch	05/11/2000 16:14	

ePass

Buyer Home Message Center Manage Products Configure Partners Manage Auctions View Bids Analyze Bids Logout Help Local Intranet

FIG. 12



Home > Bid Center > Auction Supplies2 > Requisition Items: Req 1

Auction Info

Auction Name	Supplies2
Auction Status	Open
Auction Type	Dutch
Show All Bidders	No
Start Date	05/11/2000 15:48
End Date	07/11/2000 16:00

View Requisition Items

The following line items are in the requisition.

Level	Item	Type	Category	Description	Desired QTY	Price	Action
Pencils	Single Item	sshcat1	#2 Pencils		1,000		Bid Messages
Lined Paper	Single Item	sshcat1	8/11 Lined Paper White	100			Bid Messages
Fax Paper	Single Item	sshcat1	Fax Paper	8/11	1,000		Bid Messages

Supplier Home

Message Center

View Bids

Logout

Help

Done

Local Intranet

FIG. 13



ePass - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Dell Home Go Link >

Address: Local Intranet

Product Category: sshcat1 Reserved Price:

Name: Pencils Historical Price:

Code: PEN101 Minimum Bid Quantity:

Description: # 2 Pencils Maximum Bid Quantity:

Minimum Desired Quantity:

Maximum Desired Quantity:

Price Quote Unit:

Lot Size:

Required Delivery Date:

View Bids

The following are the current bids for this item.
0 of 0

Bidder: Bid Type: Max Bid Quantity: Price per Unit:

Supplier Home

Message Center

View Bids

Logout

Enter Bid for the item

Enter the price per Unit and any other fields before clicking the Submit button:

Partner Product Code:

Comment:

Maximum: Price Per Unit:

Save Cancel

FIG. 14



FIG.
15A

Home > Bid Center > Auction Supplies2 > Requisition: Req_1 > Item: Pencils

Auction Info

Auction Name	Supplies2
Auction Status	Open
Auction Type	Dutch
Show All Bidders	No
Start Date	05/11/2000 15:48
End Date	07/11/2000 16:00

Item Details

Product Category	sshcat1
Name	Pencils
Code	PEN101
Description	# 2 Pencils
Minimum Desired Quantity	1,000
Maximum Desired Quantity	
Price Quote Unit	
Lot Size	
Required Delivery Date	

Lowest Bid

Bidder	7
Max Bid Quantity	1,000
Price Per Unit	\$0.05
Highest Bid Allowed	\$0.04

View Bids

The following are the current bids for this item.

Done

ePass - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Search Favorites History Mail Print Edit Discuss Dell Home

Address http://qa03/en/index.html

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FIG.
15B

Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit W Discuss Dell Home Link

Address http://qa03/erw/index.html

Start Date 05/11/2000 15:48
End Date 07/11/2000 16:00

Item Details

Product Category	sshcat1
Name	Pencils
Code	PEN101
Description	# 2 Pencils
Minimum Desired Quantity	1,000
Maximum Desired Quantity	
Price Quote Unit	
Lot Size	
Required Delivery Date	

Buyer Home Message Center

Configure Partners Manage Auctions View Bids Analyze Bids Logout

Manage Products

lowest Bid

Bidder	7
Max Bid Quantity	1,000
Price Per Unit	\$0.05
Highest Bid Allowed	\$0.04

View Bids

The following are the current bids for this item.
1-3 of 3

Bidder	Organization	Bid Type	Bundle Code*	Max Bid Quantity	Price Per Unit
Harry Sales	ABC Co	Single Item Bid		1,000	\$0.05
Ed Cation	BestDeal	Single Item Bid		1,000	\$0.05
Boe Cheaper	Surfin' Seller	Single Item Bid		1,000	\$0.06

Done Local Intranet



<p>ePass - Microsoft Internet Explorer</p> <p>File Edit View Favorites Tools Help</p> <p>Back Forward Stop Refresh</p> <p>Address: http://qa03/ePass/index.html</p>		<p>Print W Discuss Dell Home</p> <p>Mail History Favorites Search</p> <p>Print Edit Discuss Dell Home</p> <p>Link Go</p>																																					
<p>Home > Bid Center > Auction: Electrical > Requisition:real > Item: 30 AMP Breakers</p> <p>Auction Info</p> <p>Auction Name: Electrical Auction Status: Open Auction Type: Sealed Show All Bidders: No Start Date: 05/11/2000 14:25 End Date: 07/11/2000 14:30</p> <p>Item Details</p> <table border="1"><tr><td>Product Category: sshcat1</td><td>Reserved Price:</td></tr><tr><td>Name: 30 AMP Breakers</td><td>Historical Price:</td></tr><tr><td>Code: BK30A101</td><td>Minimum Bid Quantity: 0</td></tr><tr><td>Description: 30 AMP Circuit Breaker</td><td>Maximum Bid Quantity:</td></tr><tr><td>Minimum Desired Quantity: 40</td><td>Tolerances:</td></tr><tr><td>Maximum Desired Quantity:</td><td></td></tr><tr><td>Price Quote Unit:</td><td></td></tr><tr><td>Lot Size:</td><td></td></tr><tr><td>Required Delivery Date:</td><td></td></tr></table> <p>Buyer Home</p> <p>Message Center</p> <p>Manage Products</p> <p>Configure Partners</p> <p>Manage Auctions</p> <p>View Bids</p> <p>Analyze Bids</p> <p>Logout</p> <p>View Bids</p> <p>The following are the current bids for this item. 1-5 of 5</p> <table border="1"><tr><td>Bidder: Harry Sales</td><td>Organization: ABC Co</td><td>Bid Type: Single Item Bid</td><td>Bundle Code*: RockDeal</td><td>Min Bid: 20</td><td>Max Bid: 20</td><td>Quantity: 100</td><td>Price Per Unit: \$4.00</td><td>One Time Charge: \$0.00</td></tr><tr><td colspan="9">O Local Intranet</td></tr></table> <p>Help</p> <p>Ed Cation</p> <p>Done</p>				Product Category: sshcat1	Reserved Price:	Name: 30 AMP Breakers	Historical Price:	Code: BK30A101	Minimum Bid Quantity: 0	Description: 30 AMP Circuit Breaker	Maximum Bid Quantity:	Minimum Desired Quantity: 40	Tolerances:	Maximum Desired Quantity:		Price Quote Unit:		Lot Size:		Required Delivery Date:		Bidder: Harry Sales	Organization: ABC Co	Bid Type: Single Item Bid	Bundle Code*: RockDeal	Min Bid: 20	Max Bid: 20	Quantity: 100	Price Per Unit: \$4.00	One Time Charge: \$0.00	O Local Intranet								
Product Category: sshcat1	Reserved Price:																																						
Name: 30 AMP Breakers	Historical Price:																																						
Code: BK30A101	Minimum Bid Quantity: 0																																						
Description: 30 AMP Circuit Breaker	Maximum Bid Quantity:																																						
Minimum Desired Quantity: 40	Tolerances:																																						
Maximum Desired Quantity:																																							
Price Quote Unit:																																							
Lot Size:																																							
Required Delivery Date:																																							
Bidder: Harry Sales	Organization: ABC Co	Bid Type: Single Item Bid	Bundle Code*: RockDeal	Min Bid: 20	Max Bid: 20	Quantity: 100	Price Per Unit: \$4.00	One Time Charge: \$0.00																															
O Local Intranet																																							

FIG. 16A



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Back Forward Stop Refresh Home Search Favorites History Mail Print W Edit Discuss Deli Home Link

Address: <http://qa03len/index.htm>

Start Date: 05/11/2000 14:25
End Date: 07/11/2000 14:30

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ePass

Item Details

Product Category	sshcat1
Name	30 AMP Breakers
Code	BK30A101
Description	30 AMP Circuit Breaker
Minimum Desired Quantity	40
Maximum Desired Quantity	40
Price Quote Unit	
Lot Size	
Required Delivery Date	

Buyer Home

Message Center

Manage Products

Configure Partners

Manage Auctions

View Bids

Analyze Bids

Logout

View Bids

1-5 of 5

Bidder	Organization	Bid Type	Bundle Code*	Min Bid Quantity	Max Bid Quantity	Price Per Unit	One Time Charge
Harry Sales	ABC Co	Single Item Bid		40	100	\$5.00	\$0.00
Ed Cation	BestDeal	Single Item Bid		20	20	\$4.00	\$1.00
Boe Cheaper	Surfin' Seller	Single Item Bid		1	10	\$5.50	\$0.00
Boe Cheaper	Surfin' Seller	Single Item Bid		11	30	\$5.00	\$0.00
Boe Cheaper	Surfin' Seller	Single Item Bid		31	50	\$3.50	\$0.00

Help

Local Intranet

FIG. 16B



Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh

Address: http://qa03/en/index.htm

Required Delivery Date

View Bids

The following are the current bids for this item.
0 of 0

Bidder Bid Type Min Bid Quantity Max Bid Quantity Price Per Unit One Time Charge

ePass

Supplier Home Message Center View Bids Logout Help

Required Delivery Date

View Bids

The following are the current bids for this item.
0 of 0

Bidder Bid Type Min Bid Quantity Max Bid Quantity Price Per Unit One Time Charge

ABKR01

Comment

Warranty Days

6d

Minimum

10

5.50

Volume Bid Set 1

1

30

5.00

Volume Bid Set 2

11

50

3.50

Volume Bid Set 3

31

Save Cancel

Local Intranet

FIG. 17



ITEM	QTY DESIRED	BID 1 ABC CO.		BID 2 BESTDEAL		BID 3 SURFIN
2x4x8	400	400	1.25	400	1.25	400
2x12x10	1000	1000	5.00	1000	4.50	1000
PW 4x8x1/2	100	100	25.00	100	25.00	100
						<u>BUNDLED @ \$7350</u>

FIG. 18



Home > Bid Center > Auction: Construction > Requisition Items: REQ1

Level	Selection	Item	Type	Category	Description	Desired Qty	Price	Action
	<input checked="" type="checkbox"/>	2x4x8	Single Item	sshcat1	Lumber 2 x 4 x 8 ft	400		Bid
	<input checked="" type="checkbox"/>	2x12x10	Single Item	sshcat1	Lumber 2 x 12 x 10 ft	1,000		Bid
	<input checked="" type="checkbox"/>	PW 4x8x1/2	Single Item	sshcat1	Plywood 4 x 8 x 1/2 in	100		Bid

[Select All](#) | [Unselect All](#) | [Switch All](#)

[Create Bundled Bid](#)

Supplier Home

Message Center

View Bids

Logout

Help

electronic procurement application for strategic sourcing

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FIG. 19



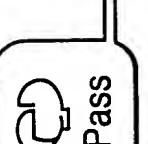
ePass - Microsoft Internet Explorer													
File	Edit												
Back	Forward												
Address	http://qa03-env/index.html												
Supplier Home Message Center View Bids Logout													
<p>electronic procurement application for strategic sourcing</p> 													
<p>Home > Bid Center > RFQ: Construction > Requisition:REQ1 > Create Bundled Bid</p>													
<p>Auction Info</p> <table border="1"> <tr><td>Auction Name</td><td>Construction</td></tr> <tr><td>Auction Status</td><td>Open</td></tr> <tr><td>Auction Type</td><td>Sealed</td></tr> <tr><td>Show All Bidders</td><td>No</td></tr> <tr><td>Start Date</td><td>05/11/2000 14:31</td></tr> <tr><td>End Date</td><td>07/11/2000 14:30</td></tr> </table>		Auction Name	Construction	Auction Status	Open	Auction Type	Sealed	Show All Bidders	No	Start Date	05/11/2000 14:31	End Date	07/11/2000 14:30
Auction Name	Construction												
Auction Status	Open												
Auction Type	Sealed												
Show All Bidders	No												
Start Date	05/11/2000 14:31												
End Date	07/11/2000 14:30												
<p>Create Bundled Bid</p> <p>Enter the product Quantity per Bundle, Price per Bundle, and any other fields before clicking the Submit button:</p> <table border="1"> <tr><td>Bundle Description:</td><td>Bundle of Materials</td></tr> <tr><td>Seller Bundle Code</td><td>Bundled bid for Req 1 of Construction RFQ</td></tr> <tr><td>Comment</td><td></td></tr> </table>		Bundle Description:	Bundle of Materials	Seller Bundle Code	Bundled bid for Req 1 of Construction RFQ	Comment							
Bundle Description:	Bundle of Materials												
Seller Bundle Code	Bundled bid for Req 1 of Construction RFQ												
Comment													
<p>Bundle Composition:</p> <table border="1"> <thead> <tr> <th>Buyer</th> <th>Seller</th> </tr> </thead> <tbody> <tr><td>Line Item</td><td>Name</td></tr> <tr><td>020408</td><td>2 x 4 x 8</td></tr> <tr><td>021210</td><td>2 x 12 x 20</td></tr> <tr><td>0406005</td><td>PW 4 x 8 x 1/2</td></tr> </tbody> </table>		Buyer	Seller	Line Item	Name	020408	2 x 4 x 8	021210	2 x 12 x 20	0406005	PW 4 x 8 x 1/2		
Buyer	Seller												
Line Item	Name												
020408	2 x 4 x 8												
021210	2 x 12 x 20												
0406005	PW 4 x 8 x 1/2												
<p>Help</p>													
<p><input type="checkbox"/> Local Intranet</p>													

FIG. 20A



Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Dell Home

Address: http://qa03jen/index.html

http://qa03jen/index.html

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Auction type: Seated

Show All Bidders: No

Start Date: 05/11/2000 14:31

End Date: 07/11/2000 14:30

Create Bundled Bid

Enter the product Quantity per Bundle, Price per Bundle, and any other fields before clicking the Submit button:

Bundle Description:

Seller Bundle Code:

Comment:

Supplier Home

Message Center

View Bids

Logout

Help

Bundle Composition:

Buyer	Desired Quantity	Quantity per Bundle	Product Code
020408	2 x 4 x 8	400	400
021210	2 x 12 x 10	1,000	1000
0406005	PW 4 x 8 x 1/2	100	100

Bundle Pricing:

Number of Bundles	Cost	One-Time Charge
1	10	7350

Save Cancel

Local Intranet

FIG. 20B



ePass - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print W Edit Discuss Dell Home Go Link >

Address: Done Local Intranet

Home > Analyze Bids Center

Auction: Electrical

Change Auction

Scenarios Schedules

The following are the scenarios created for Auction Electrical

Id	Name	Coverage	Purchasing Cost (000's)	System Cost (000's)	Perf. Ratio	Actions
0 of 0						

No scenarios defined

ePass

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Buyer Home
Message Center
Manage Products
Configure Partners
Manage Auctions
View Bids
Analyze Bids
Logout
Help

FIG. 21



ePass - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Del Home Go Link

Address: Local intranet

Home > Analyze Bids Center > New Scenario

Auction: Electrical
Scenario:

New Scenario

Please fill in the following information for the scenario.

<input type="text" value="Name"/>	<input type="text" value="Description"/>
<input type="text" value="Recommend Secondary Vendors"/>	<input type="text" value="Number of Secondary Vendors"/>
<input type="text" value="Rules"/>	<input type="checkbox"/> Manual Awards <input checked="" type="checkbox"/> Business Rules <input checked="" type="checkbox"/> Bundles
Performance Factor Weightings	
<input type="text" value="Price"/>	<input type="text" value="150.00%"/>
<input type="button" value="Add Factor"/>	<input type="button" value="Select a Factor"/>

ePass

Buyer Home Message Center Manage Products Configure Partners Manage Auctions View Bids Analyze Bids Logout Help

FIG. 22



ePass - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit W Discuss Dell Home

Address http://qa03/ebs/index.html

1 of 1

Home > Analyze Bids > Business Rules

Auction: Electrical
Scenario: Price Only

electronic procurement application for strategic sourcing

Setup Manual Awards Business Rules

The following is a list of business rules defined for scenario Price Only on Auction Electrical

Type Name Scope Partner Min Max Actions

Capacity BR Quantity Limit RFQ Each Partner 50% Wizard

Buyer Home
Message Center
Manage Products
Configure Partners
Manage Auctions
View Bids
Analyze Bids
Logout

Help Done Local Intranet

FIG. 23



FIG. 24

ePass - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Dell Home

Address: Go | Link >

Business Rule Wizard (Step 1 of 4)

Please name the rule

Please give a short description

Please give a long description

Do you want to ignore the rule for now? Yes No

Please specify the type of rule Capacity Vendor Count Cost Performance Cost

Award business to a preferred Partner or place a limit on the amount of business a Partner is awarded.

Limit the number of Partners that receive awards

Limit the purchasing cost (excluding performance based costs)

Limit the total purchasing cost (including performance based costs)

Next >

Buyer Home Message Center Manage Products Configure Partners Manage Auctions View Bids Analyze Bids Logout Help Local Intranet

electronic procurement application for strategic sourcing

ePass



ePass - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh

Address: <http://qa03/enf/index.html>

Business Rule Wizard (Step 2 of 4)

Name	BR Quantity Limit
Short Description	BRQTY
Long Description	Limit Vendors to no more than 50% of Bid
Ignore For Now?	No
Type	Capacity

Apply across the entire Auction

Apply only to the specified requisition.

Apply only to the specified category

Apply only to the specified item

Auction

Requisition (Each Requisition) ▶

Category (Each Category) ▶

Item (Each Item) ▶

Please specify the scope of the rule

<< Back

Buyer Home

Message Center

Manage Products

Configure Partners

Manage Auctions

View Bids

Analyze Bids

Logout

Help

Done

Local Intranet

FIG. 25



FIG. 26

ePass - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit W Discuss Dell Home

Address:

Business Rule Wizard (Step 3 of 4)

<input type="text" value="Name"/>	<input type="text" value="BR Quantity Limit"/>
<input type="text" value="Short Description"/>	<input type="text" value="BRQTY"/>
<input type="text" value="Long Description"/>	<input type="text" value="Limit Vendors to no more than 50% of Bid"/>
<input type="text" value="Ignore For Now?"/>	<input type="text" value="No"/>
<input type="text" value="Type"/>	<input type="text" value="Capacity"/>
<input type="text" value="Scope"/>	<input type="text" value="RFQ"/>

Please specify the Partner affected by the rule

Apply the rule to the selected Partner.

Buyer Home
Message Center
Manage Products
Configure Partners
Manage Auctions
View Bids
Analyze Bids
Logout

Help

Done



Business Rule Wizard (Step 4 of 4)

Name	BR Quantity Limit
Short Description	BRQTY
Long Description	Limit Vendors to no more than 50% of Bid
Ignore For Now?	No
Type	Capacity
Scope	RFQ
Partner	Each Partner

Please specify the minimum and/or maximum value that should be awarded

Buyer Home	<input type="radio"/> Units <input type="radio"/> Dollars <input checked="" type="radio"/> Percentage
Message Center	Select the units the minimum/maximum value are specified in
Manage Products	<input type="checkbox"/> Specify this value if you require the Partner to be awarded a certain amount. You can leave this field blank if there is no required minimum. For percentage, specify 0.5 for 50%
Configure Partners	<input type="checkbox"/> Specify this value if you want to limit the maximum amount awarded to the organization. You can leave this field blank if there is no maximum. For percentage, specify 0.5 for 50%
Manage Auctions	<input type="checkbox"/>
View Bids	<input type="checkbox"/>
Analyze Bids	<input type="checkbox"/>
Logout	<input type="checkbox"/>

<< Back Local intranet

Done

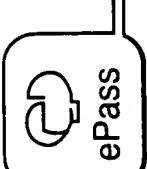
ePass - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Deli Home

Address: Go Link >

electronic procurement application for strategic sourcing



Buyer Home
Message Center
Manage Products
Configure Partners
Manage Auctions
View Bids
Analyze Bids
Logout
Help

FIG. 27



ePass - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Dell Home

Address: <http://qa03/ens/index.htm>

Home > Analyze Bids Center > Setup > Edit Scenario

Auction: Electrical
Scenario: Scene Quality

Edit Scenario
Please fill in the following information for the scenario.

Name	Scene Quality
Description	Price/Quality Analysis
Recommend Secondary Vendors	Lowest Total Cost
Number of Secondary Vendors	2
Rules	<input checked="" type="checkbox"/> Manual Awards <input checked="" type="checkbox"/> Business Rules <input checked="" type="checkbox"/> Bundles
Performance Factor Weightings	
Price	100.00%
Quality	50.00%

Save Cancel

Done Local Intranet

Help

Buyer Home Message Center Manage Products Configure Partners Manage Auctions View Bids Analyze Bids Logout

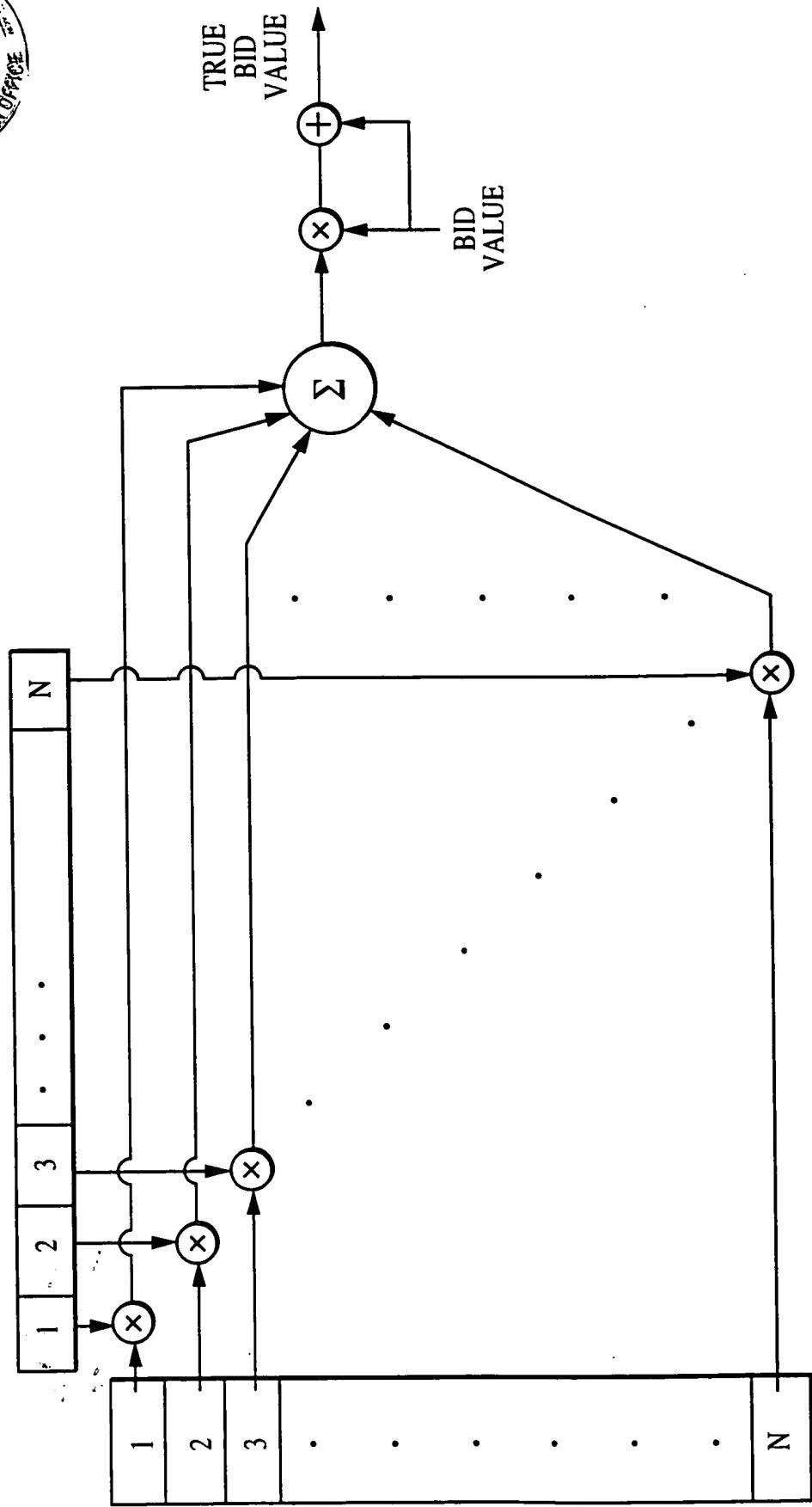
electronic procurement application for strategic sourcing

ePass

FIG. 28



BUYER DEFINED
SCENARIO WEIGHTS



PERFORMANCE
ATTRIBUTES
FROM DATABASE

FIG. 29



$$\sum_{s \in S} \left\{ \sum_{b(s) \in B(s)} \left[f_i^{b(s)} X^{b(s)} + C_i^{b(s)} x_i^{b(s)} \right] + \sum_{d(s) \in D(s)} f^{d(s)} \sum_{i \in d(s)} Z_i^{d(s)} + C_i^{d(s)} Z_i^{d(s)} \right\} +$$

$$\sum_{k \in K} \sum_{i \in I} w_{k,i} \left\{ \sum_{s \in S} \left(\frac{100 - r_{k,i}^s}{100} \right) \left[\sum_{b(s) \in B(s)} C_i^{b(s)} x_i^{b(s)} + \sum_{d(s) \in D(s)} C_i^{d(s)} Z_i^{d(s)} \right] \right\}$$

FIG. 30

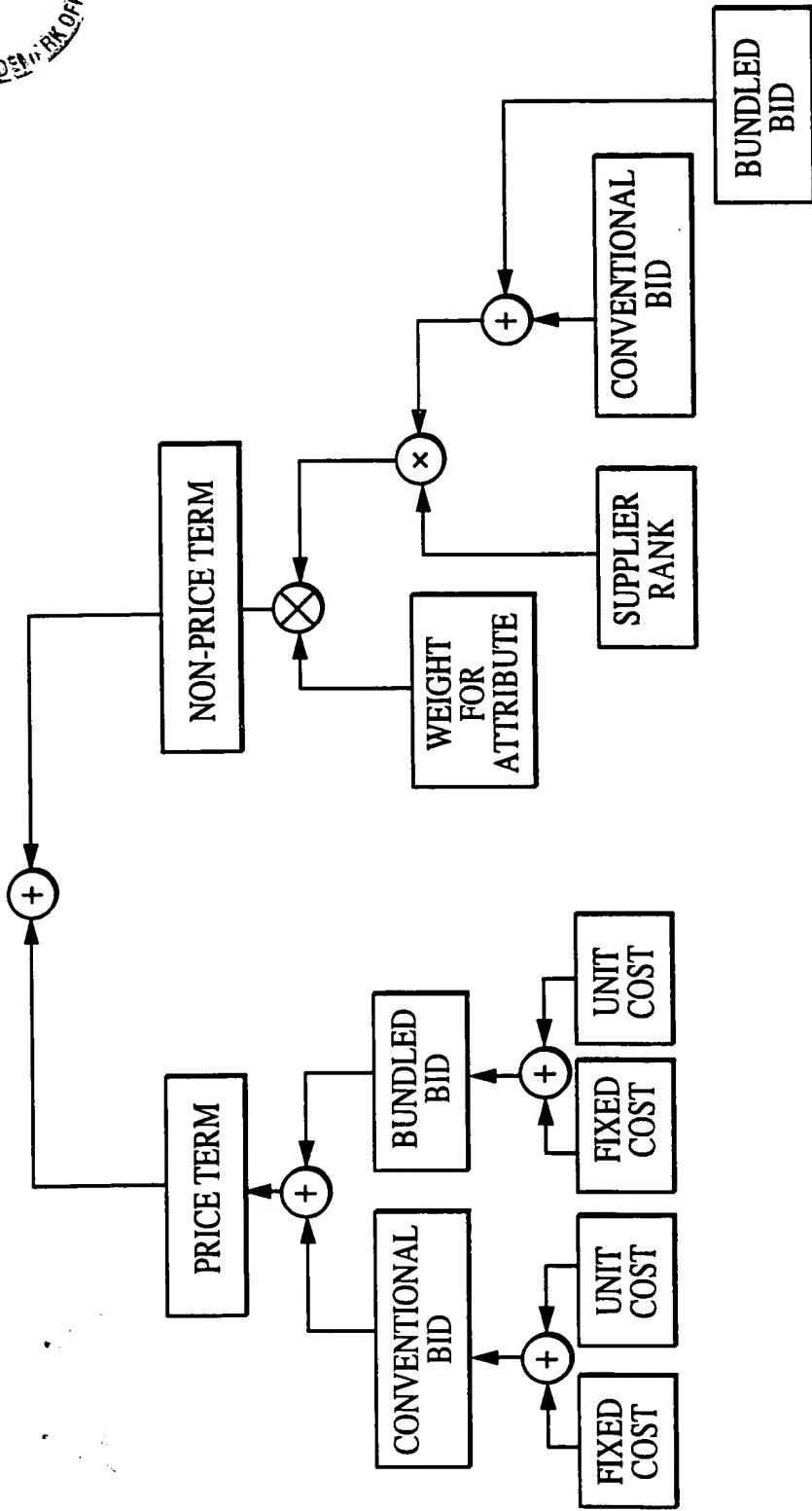


FIG. 31



$$\sum_{s \in S} \left(\sum_{b(s) \in B(s)} x_i^{b(s)} + \sum_{d(s) \in D(s)} z_i^{d(s)} \right) \leq Q_i^u \quad \forall i \in I \quad (1)$$

$$\sum_{s \in S} \left(\sum_{b(s) \in B(s)} x_i^{b(s)} + \sum_{d(s) \in D(s)} z_i^{d(s)} \right) \geq Q_i^l \quad \forall i \in I \quad (2)$$

$$\sum_{i \in g} \left(\sum_{b(s) \in B(s)} x_i^{b(s)} + \sum_{d(s) \in D(s)} z_i^{d(s)} \right) - Y_g^s M_g \leq 0 \quad \begin{matrix} \forall s \in S \\ \forall g \in G \end{matrix} \quad (3)$$

$$\sum_{i \in g} \left(\sum_{b(s) \in B(s)} x_i^{b(s)} + \sum_{d(s) \in D(s)} z_i^{d(s)} \right) - Y_g^s \geq 0 \quad \begin{matrix} \forall s \in S \\ \forall g \in G \end{matrix} \quad (4)$$

$$\sum_{s \in T} Y_g^s \leq \text{Max } N_g^t \quad \forall g \in G, \quad \forall t \in T \quad (5)$$

$$\sum_{s \in T} Y_g^s \geq \text{Min } N_g^t \quad \forall g \in G, \quad \forall t \in T \quad (6)$$



$$\sum_{s \in \mathcal{I}} \sum_{i \in g} \left(\sum_{b(s) \in B(s)} x_i^{b(s)} + \sum_{d(s) \in D(s)} z_i^{d(s)} \right) \leq \text{Max } Q_g^t \quad \forall g \in G, \forall t \in \mathcal{T} \quad (7)$$

$$\sum_{s \in \mathcal{I}} \sum_{i \in g} \left(\sum_{b(s) \in B(s)} x_i^{b(s)} + \sum_{d(s) \in D(s)} z_i^{d(s)} \right) \geq \text{Min } Q_g^t \quad \forall g \in G, \forall t \in \mathcal{T} \quad (8)$$

$$\sum_{s \in \mathcal{I}} \sum_{i \in g} \left(\sum_{b(s) \in B(s)} c_i^{b(s)} x_i^{b(s)} + \sum_{d(s) \in D(s)} c_i^{d(s)} z_i^{d(s)} \right) \leq \text{Max } V_g^t \quad \forall g \in G, \forall t \in \mathcal{T} \quad (9)$$

$$\sum_{s \in \mathcal{I}} \sum_{i \in g} \left(\sum_{b(s) \in B(s)} c_i^{b(s)} x_i^{b(s)} + \sum_{d(s) \in D(s)} c_i^{d(s)} z_i^{d(s)} \right) \geq \text{Min } V_g^t \quad \forall g \in G, \forall t \in \mathcal{T} \quad (10)$$

FIG. 33



$$(11) \quad Z_i^{d(s)} - u_i^{d(s)} Z^{d(s)} \leq 0 \quad \forall i \in I, \forall s \in S, \forall b(s) \in B(s)$$

$$(12) \quad Z_i^{d(s)} - l_i^{d(s)} Z^{d(s)} \geq 0 \quad \forall i \in I, \forall s \in S, \forall b(s) \in B(s)$$

$$(13) \quad X_i^{b(s)} - X^{b(s)} U_i^{b(s)} \leq 0 \quad \forall s \in S, \forall b(s) \in B(s)$$

$$(14) \quad X_i^{b(s)} - X^{b(s)} L_i^{b(s)} \geq 0 \quad \forall s \in S, \forall b(s) \in B(s)$$

$$(15) \quad 0 \leq X_i^{b(s)} \leq U_i^{b(s)} \quad \forall s \in S, \forall b(s) \in B(s)$$

$$(16) \quad 0 \leq Z_i^{d(s)} \quad \forall d(s) \in D(s)$$

$$(17) \quad X^{b(s)} = \begin{cases} 0 \\ 1 \end{cases} \quad \forall b(s) \in B(s)$$

$$(18) \quad Y_g^s = \begin{cases} 0 \\ 1 \end{cases} \quad \forall g \in G, \forall s \in S$$

$$(19) \quad Z_g^s = \begin{cases} 0 \\ 1 \end{cases} \quad \forall g \in G, \forall s \in S$$



```
if  $O < O^*$  then
  indicator = C
else if  $p \geq p^*$ 
  {
    if  $[O - p \geq O^*]$ 
      indicator = F
    else
      indicator = P
  }
else
  indicator = F

if  $p > p^*$  then
  indicator = P
else if  $O > O^*$  then
  indicator = F
else
  indicator = C
```

FIG. 35



```
if ( $O < O^*$ )
    indicator = C;
else if ( $p \geq \text{ALL}(p^i)$ )
{
    if ( $((O - p) \geq \text{ALL}(O^i))$ 
        indicator = F;
    else
        indicator = P;
}
else
    indicator = F
```

FIG. 36



```
if ( $O < O^*$ )
  indicator = C;
else if ( $O > \text{ALL}(O^i)$ )
{
  if ( $p < p^*$ )
    indicator = F;
  else if ( $(O - p) \geq \text{ALL}(O^i)$ )
    indicator = F;
  else if ( $p > \text{ALL}(p^i)$ )
  {
    if ( $R > \text{ALL}(R^i)$ )
      indicator = PF;
    else
      indicator = P;
  }
  else
    indicator = F;
}
else
{
  if ( $p < p^*$ )
    indicator = FC;
  else if ( $R < R^*$ )
    indicator = PC;
  else
    indicator = PFC;
}
```

FIG. 37